XV. *A Journal of the Weather at* Montreal. *By Mr.* Barr, *Purveyor to his Majeſty's Hoſpitals in* Canada; *communicated by Dr.* Saunders.

Read January 20, 1780.

THE winter ſeemed to ſet in about the middle of November; from that time to the end of the month we had ſome ſnow and cold weather; but the thermometer never was lower than 16° or 18° below the freezing point.

About the 24th and 25th of December people croſſed the river three miles below Montreal.

The letters a and b after the figures denote the mercury to be above or below 0. The thermometer from which theſe obſervations were taken, was of FAHRENHEIT's conſtruction; it was ſuſpended to a poſt, perfectly in the ſhade, and no building nearer to it to reflect the heat than five or ſix feet.

FOR DECEMBER, 1778.

Day.	Thermometer. Morning	Thermometer. Evening	Snow.	Rain.	Winds.	Remarks.
	°	°	Inch.			
1	24 a o	28 a o	4		SW	A great fall of ſnow laſt night.
2	31 a o	28 a o			W	Some ſnow this afternoon.
3	11 a o	19 a o			NW	Cloudy.
4	27 a o	30 a o			W	Cloudy with a little ſnow.
5	33 a o	33 a o		Rain	W	Cloudy.
6	29 a o	18 a o			E	Cloudy.
7	o	6 a o			E	Cloudy.
8	14 a o	8 a o	6		E	Cloudy, it ſnowed all day.
9	4 b o	2 a o			NW	Clear.
10	4 a o	16 a o			NE	Cloudy, with a little ſnow.
11	9 a o	7 a o			E	Cloudy.
12	4 b o	7 a o			NE	Clear.
13	14 a o	20 a o	12		NE	Cloudy, the wind high with a great drift.
14	16 a o	o			W	Cloudy.
15	6 b o	7 a o			SW	Cloudy.
16	1 a o	12 a o			NW	Clear.
17	32 a o	33 a o		Rain.	Calm.	Cloudy, and a thick fog and rain.
18	32 a o	25 a o			SW	Cloudy.
19	12 a o	16 a o			NE	Cloudy.
20	19 a o	32 a o		Rain.	NE	Cloudy, the wind S. in the evening.
21	16 a o	15 a o			E	Cloudy.
22	7 b o	4 b o			NW	Clear, and very little wind.
23	12 b o	6 b o			W	Clear, and very little wind.
24	14 b o	12 b o			NW	Clear.
25	21 b o	18 b o			NE	Clear.
26	8 b o	3 b o			NE	Cloudy, with ſome ſnow.
27	9 b o	1 b o			N	Clear.
28	5 b o	4 a o			W	Clear.
29	8 a o	21 a o			N	Clear.
30	31 a o	21 a o			W	Clear.
31	18 a o	32 a o			W	Clear.

FOR JANUARY, 1779.

Day.	Thermometer. Morning	Thermometer. Evening	Snow.	Rain.	Winds.	Remarks.
	°	°	Inch.			
1	33 a o	29 a o			W	Clear.
2	22 a o	32 a o		Rain.	NW	Clear.
3	37 a o	14 a o			SW	Clear.
4	6 a o	14 a o			NW	Clear.
5	11 a o	20 a o			W	Clear.
6	16 a o	7 a o			W	Cloudy.
7	2 a o	7 a o			NE	Cloudy.
8	3 a o	6 a o			N	Clear.
9	4 a o	29 a o			NE	Cloudy, with a little ſnow.
10	36 a o	8 a o		Rain.	SW	Cloudy, in the morning rain.
11	12 b o	7 b o			NW	Clear.
12	5 a o	18 a o			SW	Cloudy, with ſome ſnow.
13	15 a o	20 a o			W	Clear.
14	14 a o	18 a o			W	Clear.
15	10 a o	21 a o			NW	Clear.
16	3 a o	6 a o			NW	Clear.
17	5 a o	7 a o	4		NE	Cloudy, with ſnow all day.
18	11 b o	7 b o			NW	Clear.
*19	22 b o	12 a o			NE	Cloudy, with ſome ſnow.
20	15 a o	8 a o			W	Clear.
21	4 a o	7 a o			W	Clear.
22	8 b o	8 a o	2		NW	Clear, and almoſt calm.
23	2 a o	12 a o	4		NE	Cloudy, with ſnow.
24	10 a o	16 a o	4		NE	Cloudy, with ſnow.
25	17 a o	25 a o	6		NE	Cloudy, a great fall laſt night.
26	25 a o	12 a o			N by W	Cloudy.
†27	o	6 a o			NE	Clear.
28	20 a o	22 a o			W by S	Cloudy, with ſome ſnow.
29	5 a o	11 a o			NE	Cloudy.
30	4 b o	23 a o	4		N by W	Clear, but ſnow in the evening.
31	22 a o	26 a o			W	Cloudy.

* This day 16 or 17 German ſoldiers were frozen to death in croſſing the ice on the Lake St. Pierre, a lake near Trois Rivieres; and about double the number were froſt bitten, many of whom loſt their feet and hands.

† Uncommon to have the weather clear when the wind is eaſterly.

FOR

FOR FEBRUARY, 1779.

Days.	Thermometer. Morning	Thermometer. Evening	Snow.	Rain.	Winds.	Remarks.
	°	°	Inch.			
1	33 a o	34 a o			W by E	Cloudy.
2	40 a o	45 a o		Rain.	SW	Cloudy, with a thick fog.
3	30 a o	26 a o			NE	Cloudy.
4	28 a o	27 a o			SW	Cloudy, with a little ſnow.
5	7 a o	10 a o			W by N	Clear.
6	1 a o	15 a o			N by E	Clear.
7	14 a o	29 a o	4		NE	Cloudy, with ſnow.
8	5 a o	8 a o			NE	Clear.
9	11 a o	23 a o	4		NE	Cloudy, with ſnow laſt night.
10	24 a o	35 a o			Calm	Foggy.
11	21 a o	16 a o			W	Clear.
12	13 a o	37 a o			W by S	Clear.
13	30 a o	31 a o			W	Clear.
14	20 a o	25 a o	2		NE	Cloudy, with ſnow.
15	23 a o	24 a o			NE	Cloudy.
16	14 a o	24 a o			NE	Cloudy.
17	22 a o	38 a o			NE	Cloudy, and the wind high.
18	27 a o	27 a o			W	Clear.
19	34 a o	36 a o			W	Cloudy.
20	34 a o	19 a o			W	Cloudy.
21	9 a o	35 a o			N by E	Cloudy, the wind S. at night.
22	38 a o	39 a o			SW	Cloudy.
23	31 a o	32 a o		Rain.	W by N	Clear.
24	14 a o	20 a o			N	Clear.
25	19 a o	22 a o			W by N	Cloudy.
26	19 a o	34 a o	4		W	Cloudy, with ſnow all day.
27	26 a o	31 a o			E	Cloudy.
28	31 a o	39 a o		Rain.	NE	Cloudy, with a fog and rain.

FOR MARCH, 1779.

Days.	Thermometer. Morning	Thermometer. Evening	Snow.	Rain.	Winds.	Remarks.
	°	°	Inch.			
1	28 a o	28 a o			N by E	Clear.
2	21 a o	38 a o		Rain.	W by S	Cloudy, with rain.
3	37 a o	32 a o			W by S	Clear.
4	17 a o	24 a o			N	Clear.
5	18 a o	28 a o	4		N by E	Cloudy, with ſnow all day.
6	19 a o	23 a o			N by E	Clear.
7	18 a o	29 a o			NE	Clear.
8	30 a o	20 a o	2		W	Cloudy, with ſome ſnow.
9	24 a o	28 a o			NW	Clear.
10	10 a o	19 a o			N	Clear.
11	10 a o	20 a o			N	Clear.
12	16 a o	25 a o	6		NE	Cloudy, with a great fall of ſnow.
13	21 a o	22 a o			W by N	Cloudy.
14	1 a o	19 a o			E	Clear and almoſt calm
15	19 a o	21 a o			E	Clear.
16	11 a o	23 a o			NW	Clear.
17	11 a o	14 a o			NW	Clear.
18	10 a o	21 a o			NW	Clear.
19	15 a o	14 a o			N by E	Cloudy.
20	6 a o	16 a o			N by E	Clear.
21	6 a o	29 a o			N by E	Clear.
22	27 a o	26 a o	8		NE	Cloudy, with a great quantity of ſnow.
23	25 a o	29 a o			NE	Cloudy.
24	12 a o	29 a o			N	Cloudy, with a thick fog.
25	26 a o	27 a o	4		NE	Cloudy, with ſnow.
26	26 a o	31 a o			W	Clear.
27	25 a o	28 a o			W	Clear.
*28	24 a o	40 a o			SW	Clear.
29	32 a o	41 a o			NW	Clear.
30	31 a o	40 a o		Rain.	N by E	Cloudy, with rain.
31	40 a o	42 a o		Rain.	N by E	Cloudy, with rain.

* This day and yeſterday the ice on the river began to be rotten, and croſſing to be hazardous.

FOR

FOR APRIL, 1779.

Days.	Thermometer. Morning	Thermometer. Evening	Snow.	Rain.	Winds.	Remarks.
	°	°	Inch.			
1	40 a o	46 a o		Rain.	SW	Cloudy, with a thick fog and rain.
2	41 a o	45 a o			SW	Cloudy, with a thick fog and rain.
3	30 a o	51 a o		Rain.	NE	Cloudy, wind SW in the evening.
4	35 a o	41 a o			W	Clear.
5	36 a o	42 a o			W	Clear.
6	37 a o	38 a o		Rain.	SW	Cloudy, with a little rain.
7	32 a o	36 a o			W	Cloudy.
8	32 a o	49 a o			SW	Cloudy.
9	42 a o	44 a o			S	Cloudy.
10	40 a o	42 a o			E	Cloudy.
11	35 a o	44 a o		Rain.	E	Cloudy.
12	42 a o	45 a o		Rain.	E	Cloudy, a very heavy rain.
13	39 a o	40 a o			W	Clear.
14	31 a o	45 a o			NE	Clear.
15	46 a o	50 a o			NW	Clear.

It is worth obſerving, that the great quantity of ſnow on the ground has, from the 29th of March to the 4th of April, been chiefly melted away by the heat of the ſun, for the rain during that period has been very inconſiderable.

No *refoulement* of the river this ſpring; the ice gave way in the middle of the river firſt, and the opening has been growing larger and larger every day ſince the 28th of March, and is this day, the 4th of April, very large, although the ice remains faſt on the border of the river.